

Module 5 - Electrical Instruments

ME3023 - Measurements in Mechanical Systems

Mechanical Engineering

Tennessee Technological University

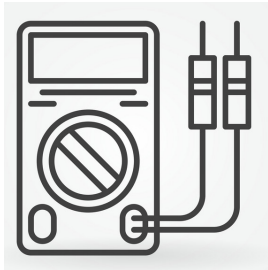
Topic 1 - Performing Analog Measurements

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- Safety and Electricity
- Using a Digital Multimeter
- Measuring Voltage and Current
- Measuring Resistance and Continuity
- Using an Oscilloscope

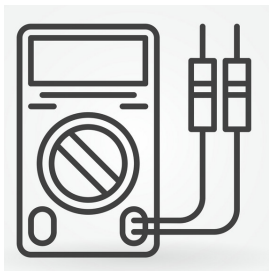
Safety and Electricity

Using a Digital Multimeter



Measuring Voltage and Current

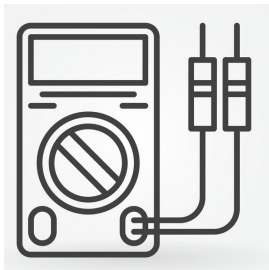
Voltage



**Read about measuring DC voltage
or AC voltage**

Measuring Voltage and Current

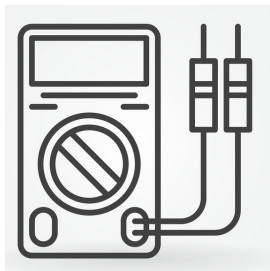
Current



Read about measuring current (with clamp)

Measuring Resistance and Continuity

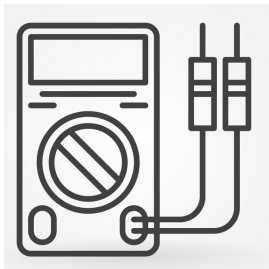
Resistance



Read about measuring resistance.

Measuring Resistance and Continuity

Continuity



Read about measuring continuity